5805-246-20P

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS TERMINALS, TELEGRAPH TH-5/TG (FSN 5805-246-8734) AND TH-5A/TG (FSN 5805-020-5720)

Headquarters, Department of the Army, Washington, D.C.
31 July 1973

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* This manual supersedes TM 11-5805-246-20P, 2 January 1964, including all changes.

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1-1. Scope

This manual lists repair parts and special tools required for the performance of organizational maintenance of the TH-5/TG and TH-5A/TG. The PCCN for the TH-5/TG and TH-5A/TG is GCWAAC for all models.

1-2. General

This repair parts and special tools list is divided into the following sections:

a. Prescribed Load Allowance (PLA) — Section II. Not applicable.

b. Repair Parts List — Section III. A list of repair parts authorized for the performance of maintenance at the organizational level. This repair parts list is arranged in alphabetical order.

c. Special Tools, Test and Support Equipment — Section IV. Not applicable.

d. Index — Federal Stock Number and Reference Number Cross-Reference to Figure and Item Number — Section V. A list, in ascending numerical sequence, of all Federal stock numbers appearing in the listings, followed by a list, in alphameric sequence, of all reference numbers appearing in the listings. Federal stock number and reference numbers are cross-referenced to each illustration figure and item number or reference designation appearance.

1-3. Explanation of Columns

The following provides an explanation of columns in the tabular lists —

a. Source, Maintenance, and Recoverability Codes (SMR).

(1) *Source code.* Indicates the manner of acquiring support items for maintenance, repair, or overhaul of end items. Source codes are —

Code	*Explanation*
PA —	Item procured and stocked for anticipated or known usage.
PB —	Item procured and stocked for insurance purposes because essentiality dictates that a minimum quantity be available in the supply systems.
PC —	Item procured and stocked and which otherwise would be coded PA except that it is deteriorative in nature.
PD —	Support item, excluding support equipment, procured for initial issue or outfitting and stocked only for subsequent or additional initial issues or outfittings. Not subject to automatic replenishment.
PE —	Support equipment procured and stocked for initial issue or outfitting to specified maintenance repair activities.
PF —	Support equipment which will not be stocked but which will be centrally procured on demand.
PG —	Item procured and stocked to provide for sustained support for the life of the equipment. It is applied to an item peculiar to the equipment which because of probable discontinuance or shutdown of production facilities would prove uneconomical to reproduce at a later time.
KD —	An item of depot overhaul/repair kit and not purchasee separately. Depot kit defined as a kit that provides items required at the time of overhaul or repair.
KF —	An item of a maintenance kit and not purchased separately. Maintenance kit defined as a kit that provides an item that can be replaced at organizational or direct support or general support levels of maintenance.
KB —	Item included in both a depot overhaul/repair kit and a maintenance kit.

Code	*Explanation*
MO —	Item to be manufactured or fabricated at organizational level.
MF —	Item to be manufactured or fabricated at direct support maintenance level.
MH —	Item to be manufactured or fabricated at general support maintenance level.
MD —	Item to be manufactured or fabricated at depot maintenance level.
AO —	Item to be assembled at organizational level.
AF —	Item to be assembled at direct support maintenance level.
AH —	Item to be assembled at general support maintenance level.
AD —	Item to be assembled at depot maintenance level.
XA —	Item is not procured or stocked because the requirements for the item will result in the replacement of the next higher assembly.
XB —	Item is not procured or stocked. If not available through salvage, requisition.
XC —	Installation drawing, diagram instruction sheet, field service drawing, that is identified by an manufacturers' part number.
XD —	Support items can be requisitioned with justification.

NOTE

Cannibalization or salvage may be used as a source of supply for any items source coded above except those coded XA and aircraft support items as restricted by AR 700-42.

(2) *Maintenance code.* Maintenance codes are assigned to indicate the levels of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the Uniform SMR Code Format as follows—

(a) Use (third position). The maintenance code entered in the third position indicates the lowest maintenance level authorized to remove, replace, and use the support item. The maintenance code entered in the third position indicates one of the following levels of maintenance.

Code	*Application/Explanation*
O —	Support item is removed, replaced, used at the organizational level of maintenance.

NOTE

A code "C" may be used in this position to denote crew or operator maintenance performed within organizational maintenance.

F —	Support item is removed, replaced, used at the direct support maintenance level.
H —	Support item is removed, replaced, used at the general support maintenance.
D —	Support items that are removed, replaced, used at depot only.

(b) Repair (fourth position). The maintenance code entered in the fourth position indicates whether the item is to be repaired and identifies the lowest maintenance level with the capability to perform complete repair (i.e., all authorized maintenance functions). When a maintenance code is not used a dash (-) sign is entered. For multi-service equipment/systems or when a code is entered, this position will contain one of the following maintenance codes as assigned by the service(s) that require the code—

Code	*Application/Explanation*
O —	The lowest maintenance level capable of complete repair of the support item is the organizational level.
F —	The lowest maintenance level capable of complete repair of the support item is direct support.
H —	The lowest maintenance level capable of complete repair of the support item is general support.
D —	The lowest maintenance level capable of complete repair of the support item is the depot level.
L —	Repair restricted to designated Specialized Repair Activity.

Code	*Application/Explanation*
Z —	Non-repairable. No repair is authorized.
B —	No repair is authorized. The item may be reconditioned by adjusting, lubricating, etc., at the user level. No parts or special tools are procured for the maintenance of this item.

(3) *Recoverability code.* Recoverability codes are assigned to support items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the uniform SMR Code Format as follows —

Code	*Explanation*
Z —	Nonrepairable item. When unserviceable, condemn and dispose at the level indicated in the first digit of the maintenance code.
O —	Repairable item. When uneconomically repairable, condemn and dispose at organizational level.
F —	Repairable item. When uneconomically repairable, condemn and dispose at the direct support level.
H —	Repairable item. When uneconomically repairable, condemn and dispose at the general support level.
D —	Repairable item. When beyond lower level repair capability, return to depot. Condemnation and disposal not authorized below depot level.
L —	Repairable item. Repair, condemnation, and disposal not authorized below depot/Specialized Repair Activity level.
A —	Item required special handling or condemnation procedures because of specific reasons (i.e., precious metal content, high dollar value, critical material or hazardous material).

b. Federal Stock Number. Indicates the Federal stock number assigned to the item and will be used for requisitioning purposes.

c. Description. Indicates the Federal item name and a minimum description required to identify the item. The last line indicates the reference number followed by the applicable Federal Supply Code for Manufacturer (FSCM) in parentheses. The FSCM is used as an element in item identification to designate manufacturer or distributor or Government agency, etc., and is identified in SB 708-42.

d. Unit of Measure (U/M). Indicates the standard or basic quantity by which the listed item is used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation; e.g., ea, in, pr, etc., and is the basis used to indicate quantities and allowances in subsequent columns. When the unit of measure differs from the unit of issue, the lowest unit of issue that will satisfy the required units of measure will be requisitioned.

e. Quantity Incorporated in Unit. This column indicates the quantity of the item used in the equipment. Subsequent appearances of the same item in the same assembly are indicated by the letters "REF".

f. 15-Day Organizational Maintenance Allowance.

(1) The repair parts indicated by an asterisk in the allowance column represent those authorized for use at the organizational category, and will be requisitioned on an "as required" basis, until stockage is based on demand in accordance with AR 710-2.

(2) Major Army commanders are authorized to approve reduction in the range of support items authorized for use in units within their commands. Recommendations for increase in range of items authorized for use will be forwarded to Commander, US Army Electronics Command, ATTN: AMSEL-MA-CW, Fort Monmouth, N.J., 07703. Any changes approved will be reflected in a revision to the RPSTL.

(3) Allowance quantities are indicated in the special tools list section for special tools, TMDE, and other equipment.

g. Illustration. This column is divided as follows:

(1) *Figure number.* Indicates the figure number of the illustration on which the item

is shown in TM 11-5805-246-10 and TM 11-5805-246-20.

(2) *Item number.* Indicates the item number or reference designation used to reference the item in the illustration.

1-4. Special Information

a. Usable on codes are included in column 3. Uncoded items are applicable to all models. Identification of the usable on codes usee in this publication are —

Code	*Used on*
AAF	TH-5/TG
B3F	TH-5A/TG

b. The following publications pertain to the equipment and its components:

TM 11-5805-246-10	Operator's Manual: Terminal, Telegraph TH-5/TG.
TM 11-5805-246-20	Organizational Maintenance Manual: Terminal, Telegraph TH-5/TG.

1-5. Location of Repair Parts

a. This manual contains one cross-reference index (sec. V) to be used to locate a repair part when either the Federal stock number or reference number (manufacturer's part number) is known. The first column in the index is prepared in numerical or alphanumeric sequence in ascending order. The reference numbers (manufacturer's part numbers) are listed immediately following the last listed Federal stock number in the index of Federal stock numbers.

b. When the Federal stock number or reference number is known, follow the procedures given in (1) and (2) below.

(1) Refer to the index of Federal stock numbers (sec. V) and locate the Federal stock number or reference number. The FSN and reference number are cross-referenced to the applicable figure and item number or reference designation.

(2) Refer to the repair parts list (sec. III) and locate the figure number (col. 7*a*) and item number or reference designation (col. 7*b*) as noted in the FSN index.

c. When the figure and item number or reference designation are known, scrutinize columns 7*a* and 7*b* of the repair parts list (sec. III) until the item is located.

d. When the FSN, reference number, figure number, item number and reference designation are not known, scrutinize column 3 of the repair parts list (sec. III), which is arranged in alphabetical order.

1-6. Abbreviations

Not applicable.

1-7. Reporting of Equipment Publication Improvements

The reporting of errors, omissions, and recommendations for improving this publication by the individual user is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to Publications) and forwarded direct to Commander, US Army Electronics Command, ATTN: AMSEL-MA-CW, Fort Monmouth. N.J., 07703.

(Next Printed Page is 6.)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE — USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY. INC IN UNIT	(6) 15-DAY ORGANIZATIONAL MAINTENANCE ALW (a) 1-5	(b) 6-20	(c) 21-50	(d) 51-100	(7) ILLUSTRATION (a) FIGURE NO.	(b) ITEM NO.
PAOZZ	5920-244-5150	CAP, ELECTRICAL NO-REF-DESIG..... 9435-1-2 (71400)	EA	1	*	*	*	*		
PAOZZ	5935-518-9653	CONNECTOR, PLUG ELECTRICAL P1..... UP120M (81349)	EA	1	*	*	*	*	2	P1
PACZZ	5960-166-7664	ELECTRON TUBE V1..... 12AX7 (81349)	EA	2	*	*	*	*	4	V1
PACZZ	5960-166-7664	ELECTRON TUBE V7..... 12AX7 (81349)	EA	REF	*	*	*	*	4	V7
PACZZ	5960-166-7663	ELECTRON TUBE V2..... 12AU7 (81349)	EA	7	*	*	*	*	4	V2
PACZZ	5960-166-7663	ELECTRON TUBE V5..... 12AU7 (81349)	EA	REF	*	*	*	*	4	V5
PACZZ	5960-166-7663	ELECTRON TUBE V8..... 12AU7 (81349)	EA	REF	*	*	*	*	4	V8
PACZZ	5960-166-7663	ELECTRON TUBE V9..... 12AU7 (81349)	EA	REF	*	*	*	*	4	V9
PACZZ	5960-166-7663	ELECTRON TUBE V10..... 12AU7 (81349)	EA	REF	*	*	*	*	4	V10
PACZZ	5960-166-7663	ELECTRON TUBE V11..... 12AU7 (81349)	EA	REF	*	*	*	*	4	V11
PACZZ	5960-166-7663	ELECTRON TUBE V12..... 12AU7 (81349)	EA	REF	*	*	*	*	4	V12
PACZZ	5920-280-9328	FUSE, CARTRIDGE F1 1.5 AMP 125 V F02D1R508 (81349)	EA	1	*	*	*	*	1	F1
PAOZZ	5355-644-2163	KNOB NO-REF-DESIG 1-5-8 IN LG X 3-4 IN W X 19-32 IN THK O/A SC898432 (80063)	EA	1	*	*	*	*	2	
PAOZZ	5355-160-6850	KNOB NO-REF-DESIG 1-1-4 IN LG X 3-4 IN W X 5-8 IN THK O/A SC898352 (80063)	EA	2	*	*	*	*	2	
PACZZ	6240-223-9100	LAMP, GLOW DS2 1-25W, 115V T-3-4 BULB NE51 (24446)	EA	1	*	*	*	*		DS2
PACZZ	6240-143-3060	LAMP, INCANDESCENT DS1 120V, 6W S-6 CLEAR... BULB 656DC (24446)	EA	1	*	*	*	*		DS1
PAOZZ	6210-299-3883	LENS, INDICATOR LIGHT NO-REF-DESIG RED ..... PLASTIC LENS 91-931 (72619)	EA	1	*	*	*	*		
PACZZ	6130-076-3545	RECTIFIER SEMI-CONDUCTOR DEVICE V3..... SCC141342 (80063)	EA	4	*	*	*	*	4	V3
PACZZ	6130-076-3545	RECTIFIER SEMI-CONDUCTOR DEVICE V4..... SCC141342 (80063)	EA	REF	*	*	*	*	4	V4
PACZZ	6130-076-3545	RECTIFIER SEMI-CONDUCTOR DEVICE V6..... SCC141342 (80063)	EA	REF	*	*	*	*	4	V6
PACZZ	6130-076-3545	RECTIFIER SEMI-CONDUCTOR DEVICE V14..... SCC141342 (80063)	EA	REF	*	*	*	*	4	V14
PACZZ	6130-076-3546	RECTIFIER SEMI-CONDUCTOR DEVICE V13..... SCC141343 (80063)	EA	2	*	*	*	*	4	V13
PACZZ	6130-076-3546	RECTIFIER SEMI-CONDUCTOR DEVICE V15..... SCC141343 (80063)	EA	REF	*	*	*	*	4	V15
PAOZZ	5960-264-3004	SHIELD, ELECTRON TUBE E15..... TS103U32 (81349)	EA	9	*	*	*	*		E15
PAOZZ	5960-264-3004	SHIELD, ELECTRON TUBE E16..... TS103U02 (81349)	EA	REF	*	*	*	*		E16
PAOZZ	5960-264-3004	SHIELD, ELECTRON TUBE E17..... TS103U02 (81349)	EA	REF	*	*	*	*		E17
PAOZZ	5960-264-3004	SHIELD, ELECTRON TUBE E18..... TS103U02 (81349)	EA	REF	*	*	*	*		E18
PAOZZ	5960-264-3004	SHIELD, ELECTRON TUBE E19..... TS103U32 (81349)	EA	REF	*	*	*	*		E19
PAOZZ	5960-264-3004	SHIELD, ELECTRON TUBE E20..... TS103U02 (81349)	EA	REF	*	*	*	*		E20
PAOZZ	5960-264-3004	SHIELD, ELECTRON TUBE E21..... TS103U02 (81349)	EA	REF	*	*	*	*		E21
PAOZZ	5960-264-3004	SHIELD, ELECTRON TUBE E22..... TS103U02 (81349)	EA	REF	*	*	*	*		E22
PAOZZ	5960-264-3004	SHIELD, ELECTRON TUBE E23..... TS103U02 (81349)	EA	REF	*	*	*	*		E23

INDEX - FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS-REFERENCE TO FIGURE AND ITEM NUMBER

STOCK NUMBER	FIGURE NO.	ITEM NO.
5355-160-6850	2	
5355-644-2163	2	
5920-244-5150		
5920-280-9328	1	F1
5935-518-9653	2	P1
5960-166-7663	4	V2
5960-166-7663	4	V5
5960-166-7663	4	V8
5960-166-7663	4	V9
5960-166-7663	4	V10
5960-166-7663	4	V11
5960-166-7663	4	V12
5960-166-7664	4	V1
5960-166-7664	4	V7
5960-264-3004		E15
5960-264-3004		E16
5960-264-3004		E17
5960-264-3004		E18
5960-264-3004		E19
5960-264-3004		E20
5960-264-3004		E21
5960-264-3004		E22
5960-264-3004		E23
6130-076-3545	4	V3
6130-076-3545	4	V4
6130-076-3545	4	V6
6130-076-3545	4	V14
6130-076-3546	4	V13
6130-076-3546	4	V15
6210-299-3883		
6240-143-3060		DS1
6240-223-9100		DS2

REFERENCE NO.	MFR CODE	FIG. NO.	ITEM NO.
F02D1R50B	81349	1	F1
NE51	24446		DS2
SCB98352			
SCB98432	80063	2	
SCC141342	80063	2	
SCC141342	80063	4	V3
SCC141342	80063	4	V4
SCC141342	80063	4	V6
SCC141343	80063	4	V14
SCC141343	80063	4	V13
	80063	4	V15
TS103U02			
TS103U02	81349		E15
TS103U02	81349		E16
TS103U02	81349		E17
TS103U02	81349		E18
	81349		E19
TS103U02	81349		E20
TS103U02	81349		E21
TS103U02	81349		E22
TS103U02	81349		E23
UP120M	81349	2	P1
12AU7	81349	4	V2
12AU7	81349	4	V5
12AU7	81349	4	V8
12AU7	81349	4	V9
12AU7	81349	4	V10
12AU7	81349	4	V11
12AU7	81349	4	V12
12AX7	81349	4	V1
12AX7	81349	4	V7
6S6DC	24446		DS1
91-931	72619		
9435-1-2	71400		

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Sig Dep (5)
MAAG (1)
WRAMC (1)
USARMIS (1)
USAERDAA (1)
USAERDAW (1)
Sig FLDMS (1)
Ft Richardson (ECOM Ofc) (2)
Units org under fol TOE: 1 ea.
  11-158
  29-134
  29-136

NG: State AG (3).

USAR: None

For explanation of abbreviations used, see AR 310-50.

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